

SF

Snap Release Nozzle System

DESIGN FEATURES

- Nozzles can be quickly changed and aligned by hand without tools
- Clamp-on adapter fits any style nozzle
- Quick set-up system features special "Snap-in" tips
- Polypropylene, resistant to most acids and alkalis
- Double clamp base or adapter available for higher pressure operation

SPRAY CHARACTERISTICS

- Quick Set-up System can be provided with fan, hollow or full cone spray tips
- Full 45° alignment of spray without tools

More SF Nozzle Systems:

Full Cone: page 31

Hollow Cone: page 48

Flow rates: 0.35 to 15.8 gpm

Spray angles:

Fan: 40°, 50°, 65°, 80°, 95°

Hollow Cone: 50°, 65°, 90°

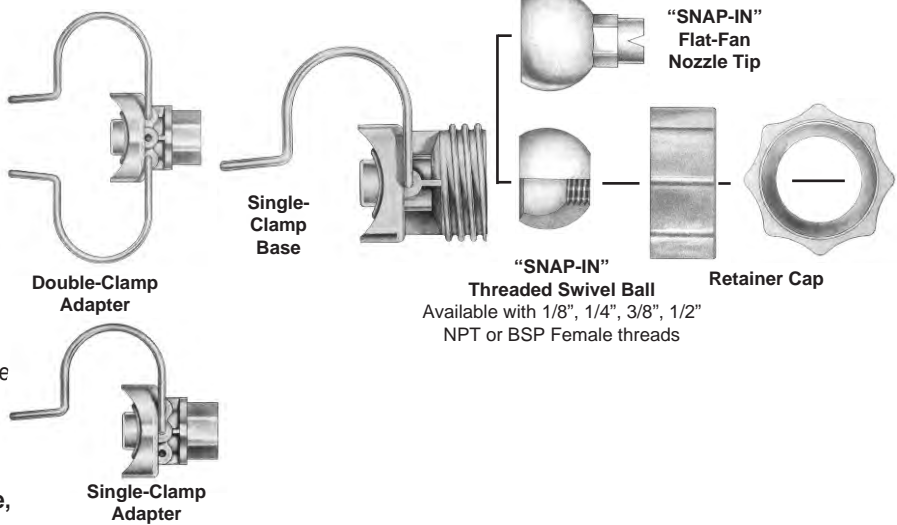
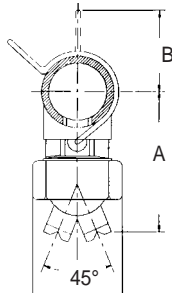
Full Cone: 35°, 65°, 80°



Snap-In Fan Tip



50° Fan



CLAMP-ON ADAPTER

- Available for 1", 1-1/4", 1-1/2" and 2" pipe.
- Available with 1/8", 1/4", 3/8", 1/2" NPT female or 1/8" BSP female threads
- Available with single or double clamp.

TO ORDER ADAPTER

Specify: Pipe Size, thread size, thread type, number of clamps, materials.

SF Flow Rates and Dimensions

SF Fan 40°, 50°, 65°, 80°, 95° Spray Angles 1", 1-1/4", 1-1/2" and 2" Pipe Sizes

Nozzle No.	Available Spray Angles	K Factor	GALLONS PER MINUTE @ PSI									Equiv. Orifice Dia. (in.)	Pipe Size	Body Color	Approx. Dim. (in.)		Wt. (oz.)
			5 PSI	10 PSI	15 PSI	20 PSI	30 PSI	40 PSI	60 PSI	80 PSI	100 PSI				A	B	
SF10	80°	0.158	0.35	0.50	0.61	0.71	0.87	1.00	1.22	1.41	1.58	0.078	1"	blue	3.3	1.7	2.0
SF20	65°	0.316	0.71	1.00	1.22	1.41	1.73	2.00	2.45	2.83	3.16	0.109	1"	blue	3.3	1.7	2.0
SF30	65°	0.474	1.06	1.50	1.84	2.12	2.60	3.00	3.67	4.24	4.74	0.141	1-1/4"	red	3.4	1.9	2.2
SF40	65°	0.632	1.41	2.00	2.45	2.83	3.46	4.00	4.90	5.66	6.32	0.156	1-1/4"	red	3.4	1.9	2.2
SF50	40° 50° 65°	0.791	1.77	2.50	3.06	3.54	4.33	5.00	6.12	7.07	7.91	0.172	1-1/2"	purple	3.6	2.0	2.2
SF60	50° 65° 80° 95°	0.949	2.12	3.00	3.67	4.24	5.20	6.00	7.35	8.49	9.49	0.188	1-1/2"	purple	3.6	2.0	2.2
SF70	50° 80°	1.11	2.47	3.50	4.29	4.95	6.06	7.00	8.57	9.90	11.1	0.203	2"	green	3.7	2.2	2.2
SF100	50°	1.58	3.53	5.00	6.12	7.07	8.65	10.0	12.2	14.1	15.8	0.250	2"	green	3.7	2.2	2.2

$$\text{Flow Rate (GPM)} = K \sqrt{\text{PSI}}$$

Standard Materials: Polypropylene, 302 Stainless Steel clamp, EPDM seal.

Optional Materials: Viton seal.

NOTE: Drill 21/32" hole in pipe to install SF.

NOTE: Maximum recommended working pressures for SF assemblies: with single clamp, 70 psi for 1" pipe; 50 psi for 1-1/4" and 1-1/2" pipe; and 35 psi for 2" pipe; with double clamp up to 150 psi.

Spray angle performance varies with pressure. Contact BETE for specific data on critical applications.

TO ORDER: specify pipe size, connection type, nozzle number, spray angle, and material.